

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES AND ENERGY
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, Utah 84114
Telephone: (801) 533-5771

RECEIVED
JUN 14 1983

DIVISION OF
OIL, GAS & MINING

NOTICE OF INTENTION TO COMMENCE MINING OPERATIONS
and
MINING AND RECLAMATION PLAN

Based on Provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1953, General Rules and Regulations and Rules of Practice and Procedures, By Order of the Board of Oil, Gas and Mining.

Mine Name: AMERICAN CONSOLIDATED MINING Mine Plan Date: 1858 and Continuing

File No.: ACT/045/019

Date Received: June 14, 1983

Operator: AMERICAN CONSOLIDATED MINING DOGM Lead Reviewer: S. Linner

Mineral(s) to be Mined: TUNGSTEN, GOLD, SILVER, COPPER

Please attach other sheets as needed and include cross-reference page numbers when used.

1. Name of Applicant or Company: AMERICAN CONSOLIDATED MINING CO.
Corporation (X) Partnership () Individual ()

2. Address: Permanent: AMERICAN CONSOLIDATED MINING CO.
445 E 2nd South
Temporary: Suite 311
Salt Lake City, Utah 84111

3. Company Representative: Name: Farrell Yeates or Alton Huffaker
Title: Directors; research and production
Address: 445 East 2nd South SLC Phone: 531-9864

4. Location of Operation: County(ies) TOOELE Patented property before 1910
Township(s): _____ Range(s): _____ Section(s): _____
Township(s): _____ Range(s): _____ Section(s): _____
Township(s): _____ Range(s): _____ Section(s): _____

5. Owner(s) of record of the surface area within the land to be affected:

Name: AMERICAN CONSOLIDATED MINING Address: 445 E 2nd South Salt Lake City, Utah
Name: _____ Address: _____
Name: _____ Address: _____
Name: _____ Address: _____

6. Owner(s) of record of the minerals to be mined:

Name:	AMERICAN CONSOLIDATED MINING	Address:	445 East 2nd South Suite 311 SLC, UT.
Name:	_____	Address:	_____
Name:	_____	Address:	_____
Name:	_____	Address:	_____

7. Owner(s) of record of all other minerals, including oil and gas, within any part of the land to be affected:

Name:	AMERICAN CONSOLIDATED MINING	Address:	445 East 2nd South Suite 311 SLC. UT.
Name:	_____	Address:	_____
Name:	_____	Address:	_____

8. Have the above owners been notified in writing? (X) Yes, () No. If no, why not? _____

9. Have you or any other person, partnership or corporation associated with you received an approval of a Notice of Intention to Commence Mining Operations by the State of Utah for operations other than described herein? () Yes, () No. If yes, list all approval numbers now under surety: _____

This area has been mined continuously since 1858. Historically numerous operations have been conducted with state knowledge. The States first Smelter operated here. This is the first time a contiguous block of patented and Lode Claims have been unified. To my knowledge this is the first request for an approval number. _____

10. Source of Operator's legal right to enter and conduct operations on the land to be covered by this Notice:

OWNERSHIP

11. Give the names and mailing addresses of every principal Executive, Office, Partner (or person performing a similar function) of Applicant:

Name	Title	Address
A. William D. Moeller	Board Chairman	445 E 2nd South Suite 311
B. Steven Haslam	President	Same
C. Alton Huffaker	Vice President	same
D. TOM Chandler	vice president	same
Farrell Yeates	Director of research and production	same

12. Has the Applicant, any subsidiary or affiliate or any person, partnership, association, trust or corporation controlled by or under common control with the Applicant, or any person required to be identified by Item 11 ever had an approval of a Notice of Intention to Mine or Explore withdrawn or has surety relating thereto ever been forfeited? () Yes, (X) No.

If yes, please explain: _____

Please note: Section 40-8-13 of the Act provides that information relating to the location, size or nature of the deposit, and marked confidential by the Operator, shall be protected as confidential information by the Board and the Division and not be a matter of public record in the absence of a written release from the Operator, or until the mining operation has been terminated as provided in Subsection (2) of Section 40-8-21 of the Act. This material should be so marked and included on separate cross-referenced sheets.

13. All maps and plans prepared for submission shall be of adequate scale and detail to show topographic features and clearly indicate the following details: Map No. 1 Topographical Map No. 2 Mines Plant Area
Confidential Clifton Induced Polarization Project-Geo Western

- * A. Location and delineation of the extent of the land previously affected, as well as the proposed surface disturbance.
- B. Existing active or inactive, underground or surface mined areas.
- C. Boundaries of surface properties, including ownership. See maps
- D. Names and locations of:
- (1) Lakes, rivers, streams, creeks and springs. See Maps and report
 - (2) Roads, highways and buildings. See Maps and report
 - (3) Active or abandoned facilities. Numerous documents being compiled @
 - (4) Transmission lines within 500 feet of the exterior limits of none land affected.
 - (5) Gas and/or oil pipelines. none
 - (6) Site elevation. see maps
- E. Drainage patterns of land affected: Rodenhouse and Goshute Washes
- (1) Overburden or topsoil removal and storage areas. none expected at this time
 - (2) Areas susceptible to erosion.
 - (3) Natural waterways.
 - (4) Constructed drainages, diversions, berms and sediment ponds (design calculations shall be included).
 - (5) Receiving waters (State Health classification). none
 - (6) Directional flow of all surface waters (indicated by arrows). see map
- F. Known drill holes:
- (1) Location. See report dated June 7, 1983
 - (2) Status. less than 2", capped or inherited prior to 1977.

* To numerous to delineate. In excess of 100 years of workings prior to 1977.
@ Dr Wehylan's report University of Utah press details some workings. as a start.

(3) Depths and thicknesses of:*

- a. Water bearing strata. Under research as of this date
- b. Mineral deposits. See IPReport Geo Western CONFIDENTIAL
- c. Toxic or potentially toxic materials. none expected
- d. Surficial or plant supporting material (topsoil and see report subsoil).

G. Locations of disposal and stockpile areas:

- (1) Topsoil and subsoil storage areas. none expected during 1st phase
- (2) Overburden storage area. Flats near tunnel entrance
- (3) Waste, tailings, rejected materials. Approved tailings pond at mill sit
- (4) Raw ore stockpile(s). Ore pad next to mill site
- (5) Tailings-ponds and other sediment control structures. approved tailings
- (6) Discharge points, water effluents (see #15[D]). pond at mill site.

All maps should have a color code or other suitable legend used in preparation to clearly indicate surface features of the land affected. A general reference map completed on a 7.5 (1:24,000) USGS quadrangle sheet is recommended with additional large scale maps included for practical delineation of individual facilities, (e.g., 1:200, 1:500).

14. Acreage to be disturbed: none at present time

- A. Minesite (operating, storage, disposal areas, RECOMMENCE ORE REMOVAL FROM etc.): YELLOW HAMMER ZONE # 2 1st phase
- B. Access/haul roads/conveyors: present roads
- C. Associated on-site processing facilities: none

15. Describe mining method to be employed, including:

A. Mining sequence:

- (1) Map delineating the yearly sequential disturbance (if surface mine) and/or surficial disturbance. FUTURISTIC AT THIS WRITING
- (2) Narrative (including on-site processing or mineral treatment):
An inclined tunnel of approximately 100' will be constructed at the 6000 ft level to intersect vein material underneath the Yellow Hammer area. waste rock will be stockpiled on the flat area near the tunnel opening. This will not exceed 750 tons as we expect to encounter ore on the way in. Rock will be drilled blasted and conveyed out of the tunnel. (8'x10'x550')

Attach supplemental sheets and/or diagrams as necessary with cross reference to page number here: _____.

*Stratigraphic or lithologic logs if correlated to footage depths may be presented when labeled (maps or logs should be labeled confidential, if so desired).

B. If sedimentary deposit seam(s): NOT APPLICABLE at this time

(1) Thickness(es): _____

(2) Dip: _____

(3) Outcrop: _____

C. Will any underground workings or aquifers be encountered? () Yes, () No. If yes, describe potential impacts and protection measures to be taken: _____

Engineers working drawings will be reviewed and if any underground workings are encountered all mine safety practices will be utilized to ensure safety.

D. Describe any active discharge or proposed discharge of water from mine or site area. Include water quality data and lab test reports. If attached sheets or reports are included, cross reference to page number here: _____

None expected

16. Have all necessary water rights been appropriated? (X) Yes, () No. How will water be obtained? Please explain: _____

Purchased

17. Proposed or estimated duration of mining operation: (infinite)
Will the permit term be for a lesser amount of time, subject to review? (e.g., for surety estimate reasons). () Yes, (X) No. If yes, how long? _____

18. Describe the construction and maintenance of access roads including:

A. Procedures (drainage and erosion control methods).

B. Cross section(s).

C. Profile(s) of proposed road grade(s).

Present roads to be watered and graded as needed.

Attach supplemental diagrams and cross reference to page number here: _____

19. Prior land use(s): MINING

Current land use(s): MINING

Possible projected or prospective future land use(s): MINING

20. Describe methods of tree and brush removal: Not applicable

Rock outcrop at the yellow hammer area Zone 2

Zone 3 and 2 Catapiller ripper.

Provide estimate of, and method of obtaining existing vegetation cover (%):
5-10% by personal observation

What types of dominant vegetation are present? See report

Photographs and/or maps may be attached to these forms, cross reference to page number here: _____.

21. Soils (surficial plant supportive material) and overburden: Except where slope or rocky terrain make it impossible, all surficial materials suitable as a growth medium shall be removed, segregated and stockpiled according to its ability to support vegetation (as determined by soil analysis and/or practical revegetation experience) prior to any major excavation. (Suggested minimum requirements are the top six inches, or the "A" horizon, whichever is larger.) When the mines plant is delineated overall. The appropriate soils will be handled properly. This is Futuristic

A. What is the pH range of the soil before mining? Futuristic
Name of person or agency and method of determining pH: _____

Attach lab report if available. Cross reference page number here: _____.

B. Average depth of topsoil and subsoil to be stripped and stockpiled: _____.
Calculated volume of soil to be stockpiled: _____.

C. Describe the method for removing and stockpiling topsoil and subsoil, including measures to protect topsoil from wind and water erosion, compaction and pollutants: _____

D. Describe the method for removing and stockpiling overburden. Describe and discuss the acidity or alkalinity (pH) or other characteristics which would affect revegetation: _____

- E. Rock subjected to processing such as waste rock, tailings, etc., and which is to be disposed of on- or off-site must be subjected to a toxicity analysis. The method of determination, results and suitable disposal methods must be explained in detail, including means for containment and long range stability*: _____

TESTING WILL BE CONDUCTED TO DETERMINE ANY PRESENCE OF
TOXIC MATERIALS DURING OPERATIONS. NONE EXPECTED

22. Describe the methods used to minimize public safety and welfare hazards during and after mining operations including:

- A. Shaft, tunnel and drill hole closure.
- B. Disposal of trash, scrap metal and wood and extraneous debris, waste oil and solvents, unusable buildings and foundations, sewage and other materials incident to mining.
- C. Posting of appropriate warning signs and/or fences or berms to act as barriers (e.g., above highwalls) in locations where public access is available.
 - 1. Warning signs to be posted
 - 2. Locked Gate for security and access control
 - 3. Waste to be removed by personnel.

*"Toxic" means any chemical or biological or adverse characteristic of the material involved which could reasonably be expected to negatively affect ecological or hydrological systems or could be hazardous to the public safety and welfare.

23. Grading and soil redistribution. Not applicable at this writing

- A. Attach pre- and postmining contour cross sections, typical of regrading designs. Cross reference to page number here: _____.
- B. Describe the method(s) of overburden replacement and stabilization and highwall elimination, including: (a) slope factors; (b) lift heights; (c) compaction; (d) terracing, etc., (e) also include testing procedures: _____

- C. What method of spreading topsoil and subsoil or upper horizon material on the regraded area will be employed? _____

1. Indicate the approximate depth of soil cover after final surfacing _____ inches.
2. What tests will be performed to adequately evaluate the potential of the soil to successfully support intended revegetation? _____

3. What soil amendments or fertilizers will be needed as an aid to revegetation?

Type: _____ Rate: _____

Type: _____ Rate: _____

Type: _____ Rate: _____

4. What additional surface preparations will be used? Describe (a) drainage, erosion and sediment control measures; (b) maximum slope characteristics; and (c) highwall reclamation.

Not applicable at this writing

5. Describe methods which may be particularly applicable to waste disposal areas determined to be potential problem areas.

- D. Describe plans for either leaving or reclaiming the roads and pads associated with the operation.

24. Impoundments: All evaporation, tailings and sediment ponds; spoil piles, fills, pads and regraded areas shall be self-draining and nonimpounding when abandoned unless previously approved as an impounding facility by a lawful state or federal agency. In view of this, please describe the reclamation of all related areas in the operation and include pertinent items enumerated in C, 1-5 above.

25. Revegetation plans:

- A. What organization, agency or person will specifically be performing the revegetation? _____
- B. Will the affected area be subject to livestock or wildlife grazing?
() Yes, () No. Will vegetation protection be needed to allow for a determination of the successful revegetation criteria outlined in the Mined Land Reclamation Act, Rule M-10(12)? () Yes, () No. If yes, what measures will the operator take? _____
- C. Will irrigation be used? () Yes, () No. Type: _____
_____. For how long? _____

- D. Test plots initiated during the early stages of mine development provide good bases from which a successful revegetation program can be adapted for later implementation. Will test plots be employed? () Yes, () No. If yes, describe on an additional sheet(s) and attach. Cross reference page number here and show location on facilities map: _____.
- E. Please attach a revegetation plan and schedule including:
1. Species to be used.
 2. Rate of seed application/acre.
 3. Season to be planted.
 4. Seedbed preparation techniques.
 5. Planting location, slope face direction, variability, method of application, covering, etc.
 6. Mulch and fertilizer application, if used.
- F. Describe any other maintenance procedures which may be used, if needed, to guarantee successful revegetation:

26. Please provide a reclamation schedule including:

- A. Estimated time for construction.
- B. Estimated time for interim reclamation.
- C. Estimated duration of the mining operation.
- D. A time table for the accomplishment of each major step in the reclamation plans. Attach the schedule and cross reference to the page number here: _____.

27. A surety guarantee must be provided for the mining operation (see Rule M-5 Mined Land Reclamation Act). In calculating this amount, the Division will consider the following major steps based on the information provided in this report:

- A. Clean up and removal of structures.
- B. Backfilling, grading and contouring.
- C. Topsoil and subsoil redistribution and stabilization.
- D. Revegetation (i.e., preparation, seeding, mulching, irrigation).
- E. Labor.
- F. Safety and fencing. Security fencing, gates and Signs less than \$500
- G. Monitoring, and reseedling if necessary.

To assist the Division, the operator may attach a list of costs and factors which would satisfy these areas. Substantiation of these factors, i.e., unit costs and how they are derived, should accompany the list. Cross reference the page number here: _____.

28. A request for a variance from specific commitments to Rule M-10 (Reclamation Standards) of the Mined Land Reclamation Act may be submitted with adequate written justification. If after presentation of information adequately detailing the situation, a determination is made that finds a portion of the rule inapplicable, a variance may be granted by the Division.

I hereby commit the applicant to comply with Rule M-10, "Reclamation Standards" in its entirety, as adopted by the Board of Oil, Gas and Mining on March 22, 1978.

The applicant will achieve the reclamation standards for the following categories as outlined in Rule M-10 on all areas of land affected by this mine, unless a variance is granted in writing by the Division.

<u>Rule</u>	<u>Category of Commitment</u>	<u>Variance Requested?</u>
M-10(1)	Land Use	_____
M-10(2)	Public Safety and Welfare	_____
M-10(3)	Impoundments	_____
M-10(4)	Slopes	_____
M-10(5)	Highwalls	_____
M-10(6)	Toxic Materials	_____
M-10(7)	Roads and Pads	_____
M-10(8)	Drainages	_____
M-10(9)	Structures and Equipment	_____
M-10(10)	Shafts and Portals	_____
M-10(11)	Sediment Control	_____
M-10(12)	Revegetation	_____
M-10(13)	Dams	_____
M-10(14)	Soils	_____

I believe a variance is justified on a site-specific basis for the previous subsections of Rule M-10 as indicated. A narrative statement explaining these concerns is attached.

STATE OF UTAH

COUNTY OF ~~TOOELE~~ Salt Lake

I, William D. Moeller, having been duly sworn depose and attest that all of the representations contained in the foregoing application are true to the best of my knowledge; that I am authorized to complete and file this application on behalf of the Applicant and this application has been executed as required by law.

Signed: William D. Moeller

Taken, subscribed and sworn to before me the undersigned authority in my said county, this 13th day of June, 1983.

Notary Public: Lucile S. Parsons

My Commission Expires: July 28, 1986

Residing @ Salt Lake City, Utah

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides for maintenance of confidentiality concerning certain portions of this report. Please check to see that any information desired to be held confidential is so labeled and included on separate sheets or maps.

Only information relating to the location, size or nature of the deposit may be protected as confidential.

Confidential Information Enclosed: ☒ Yes ☐ No